

Fig. 1 A

Fig. 1 B

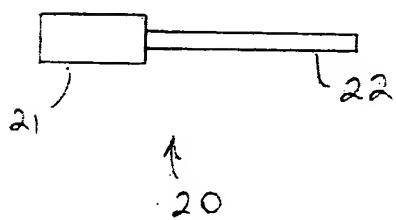


Fig. 1 C

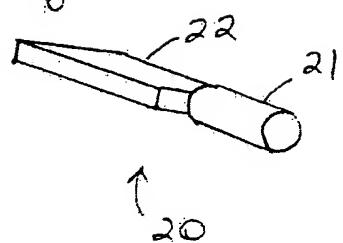


Fig. 2A

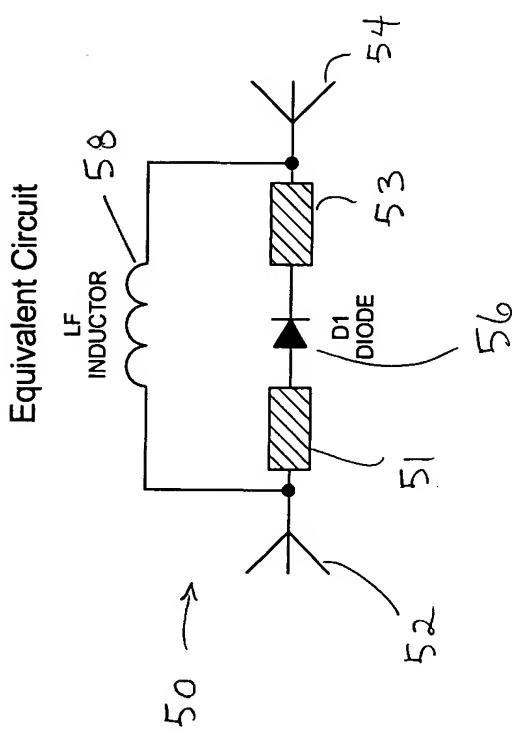


Fig. 2B

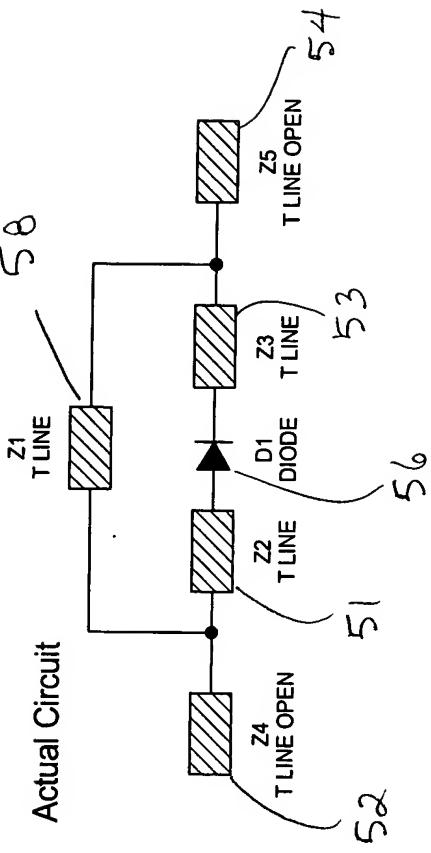
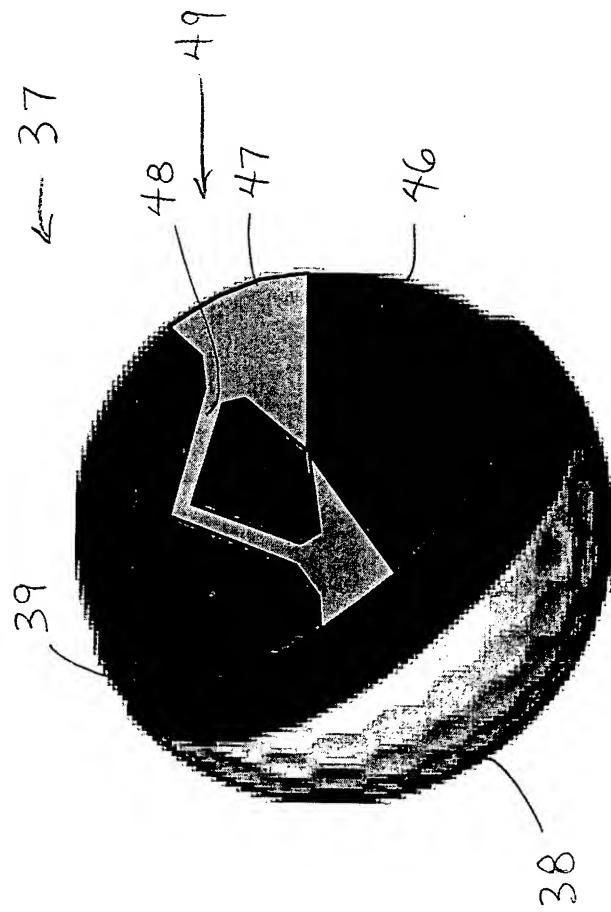


Fig. 3A



ANTENNA ON CORE
(not to scale)
Shown on a 3-piece ball

Fig. 3 B

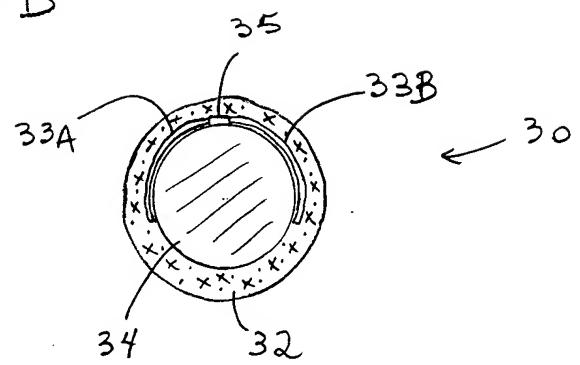


Fig. 3 C

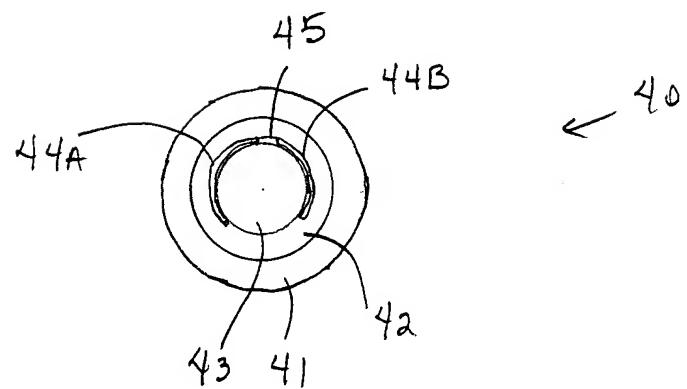


Fig. 4A

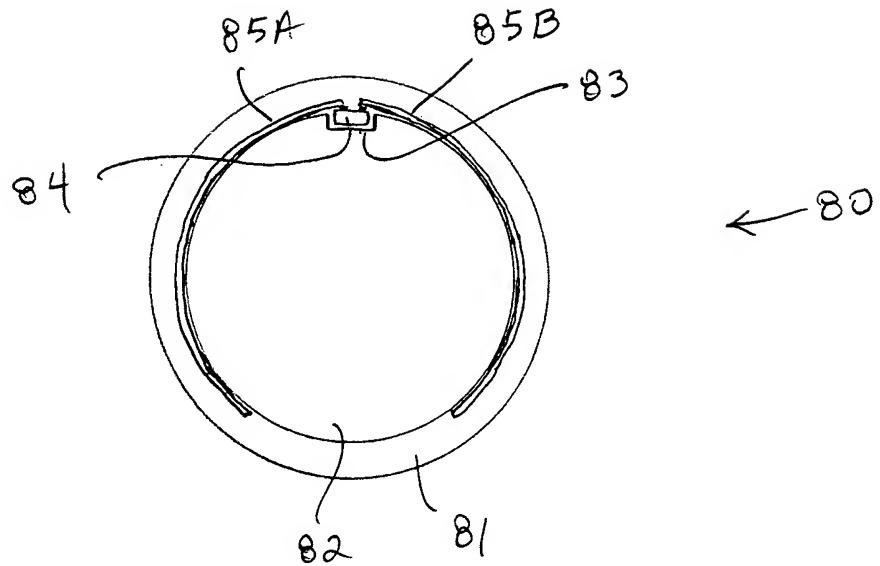


Fig. 4B

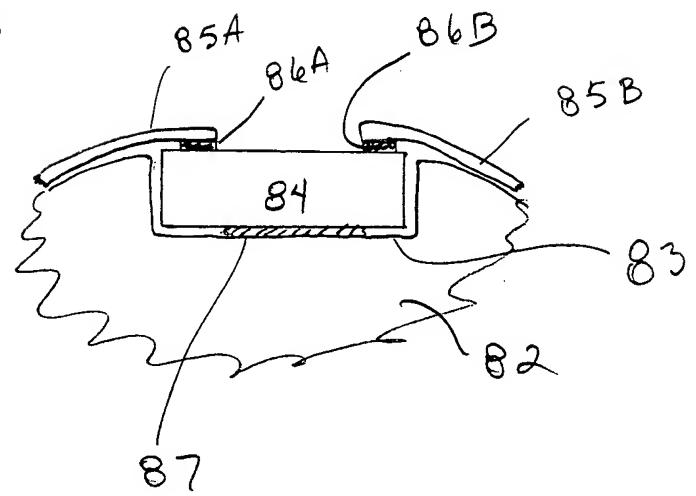


Fig. 4C

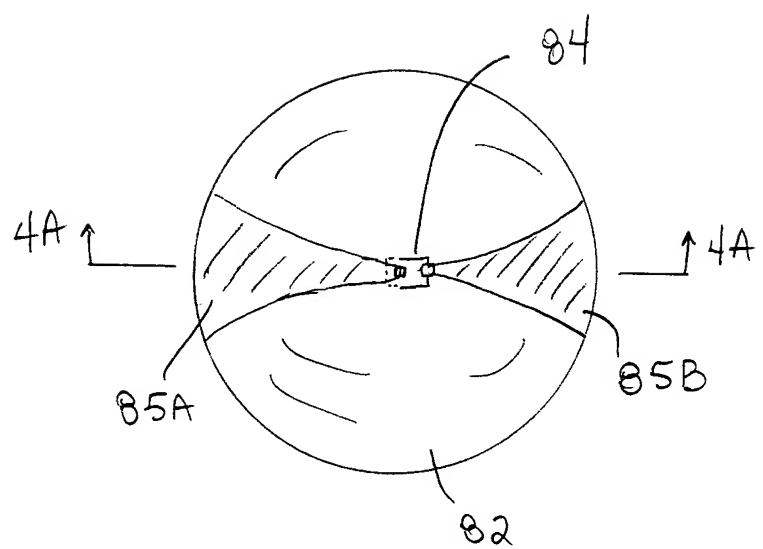


Fig. 5A

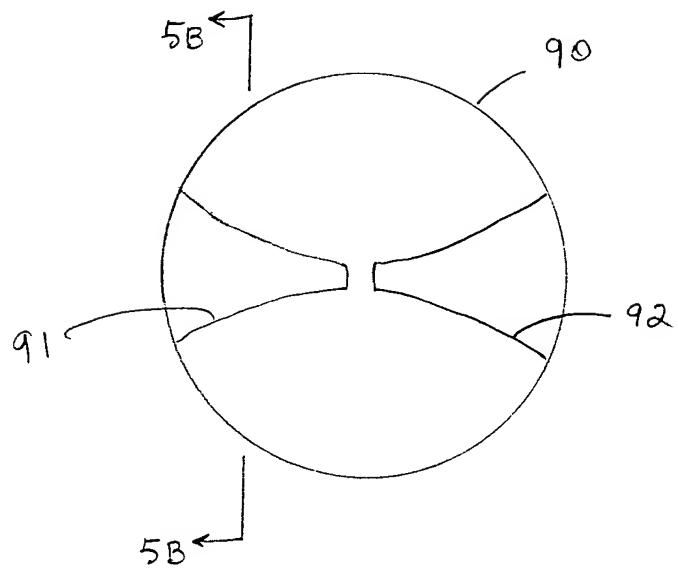
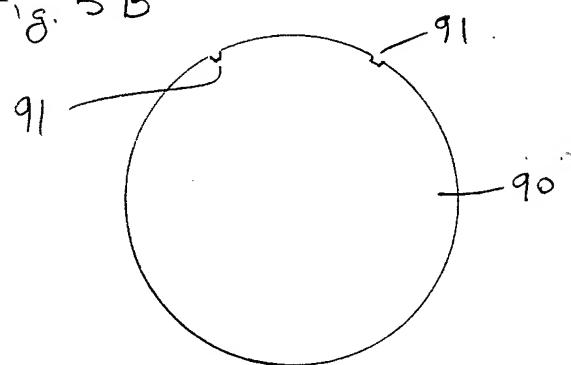


Fig. 5B



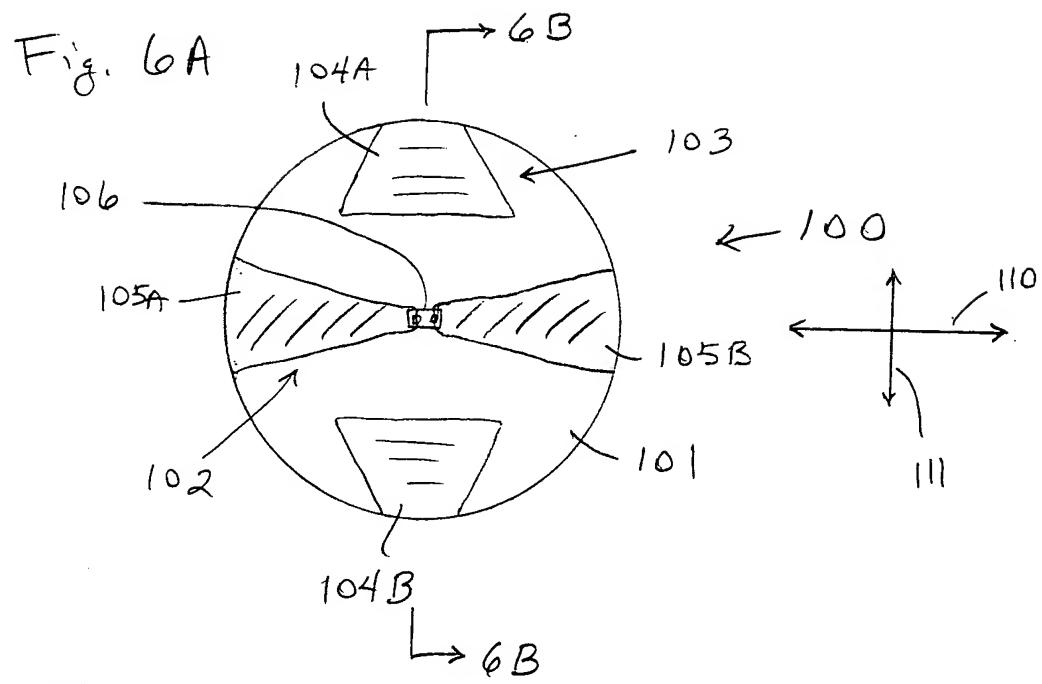


Fig. 6B

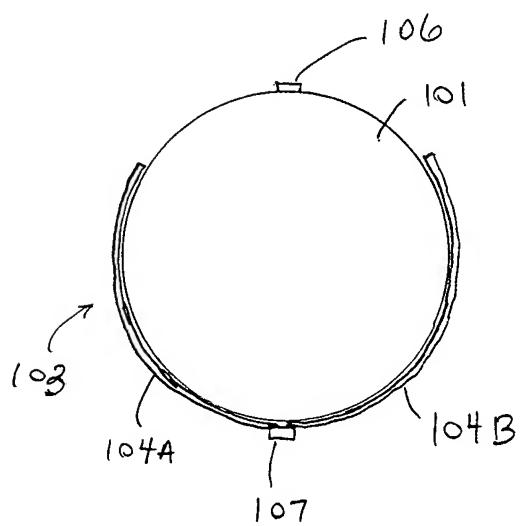
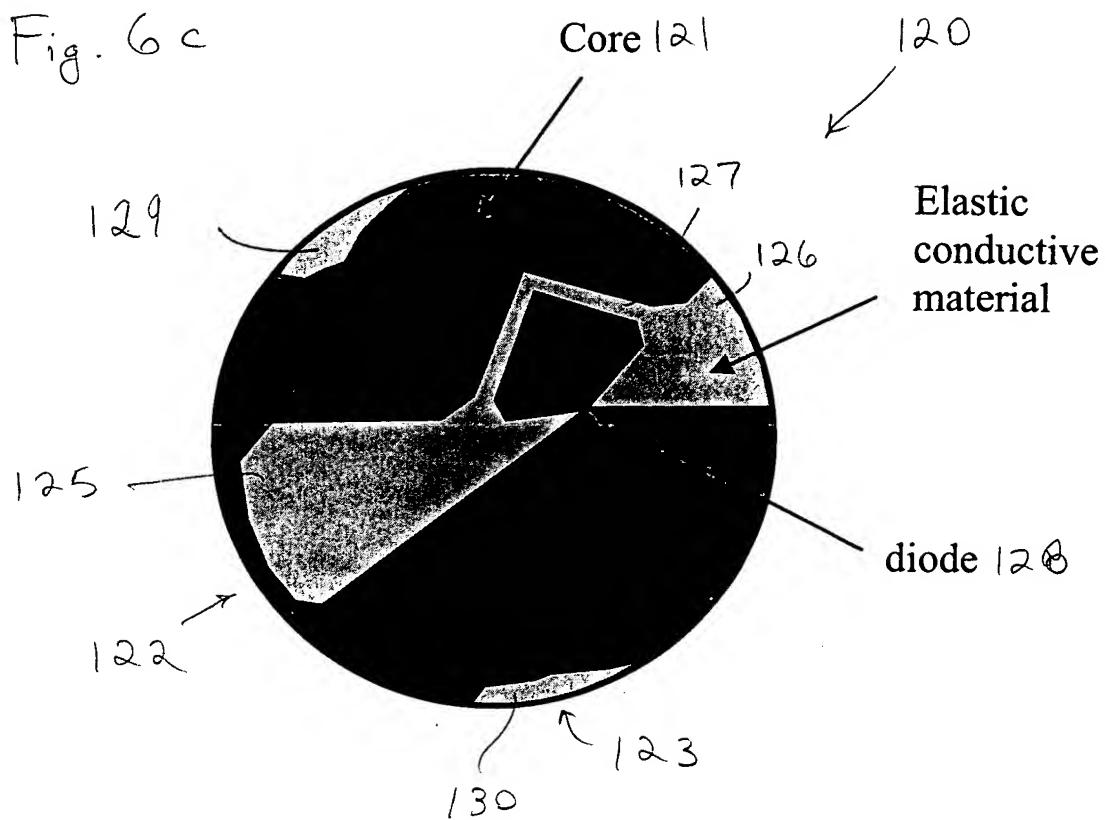


Fig. 6c



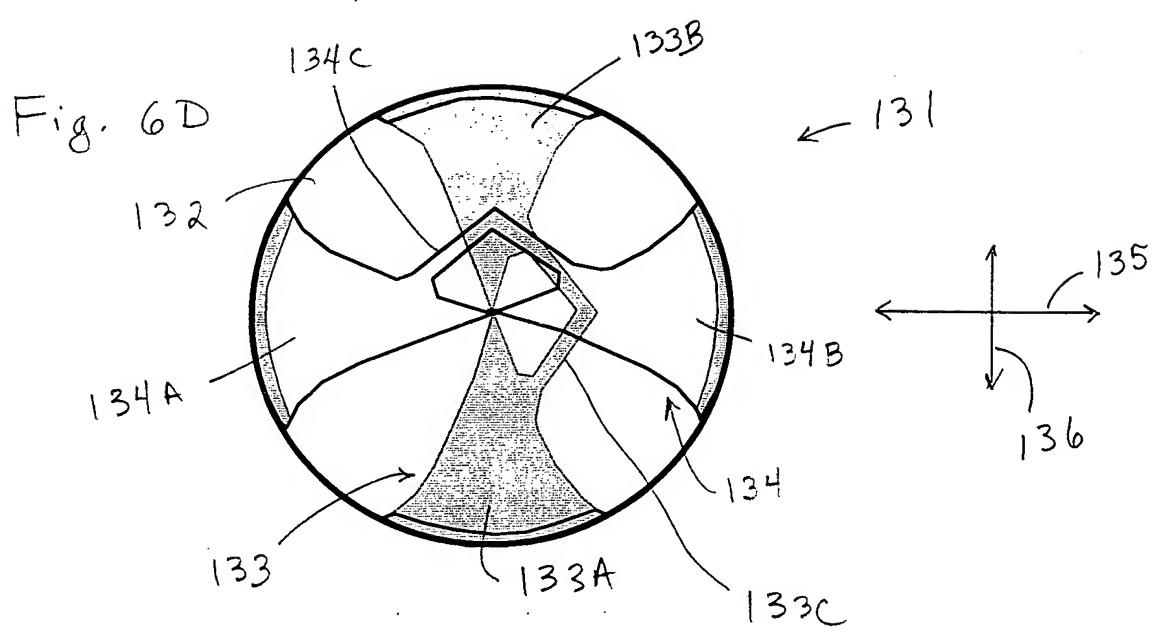
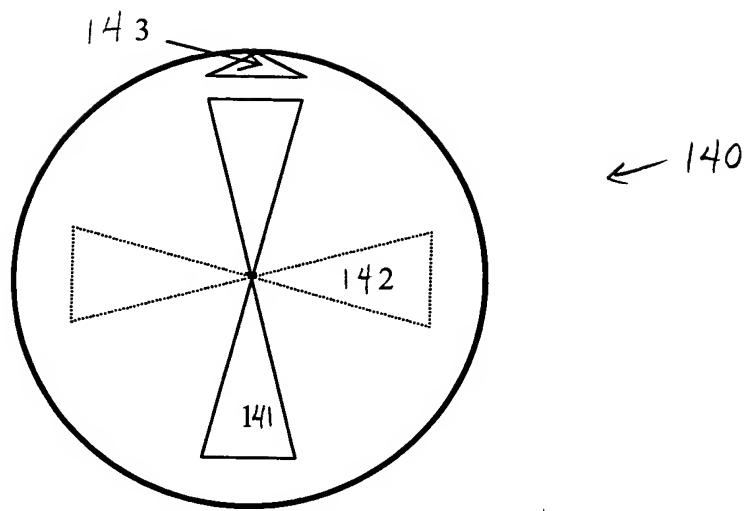
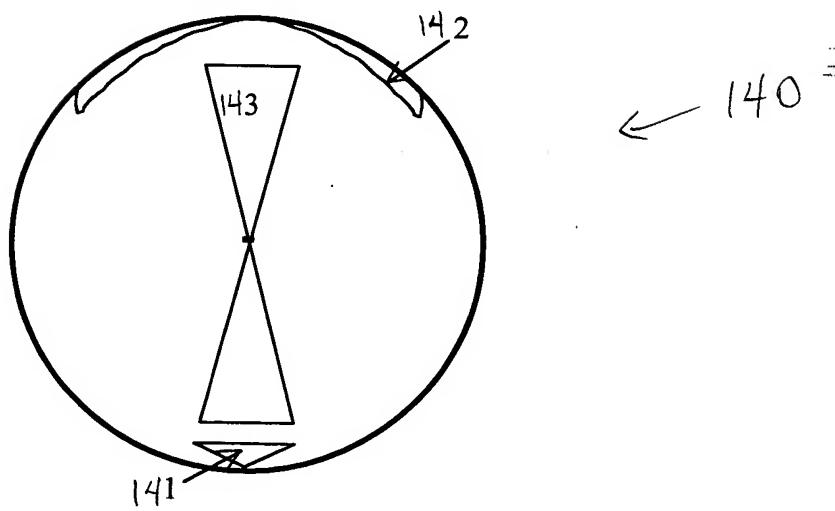


Fig. 6 E



Side View

Fig. 6 F



Top View

Fig. 7A

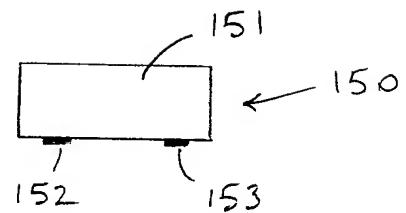


Fig. 7B

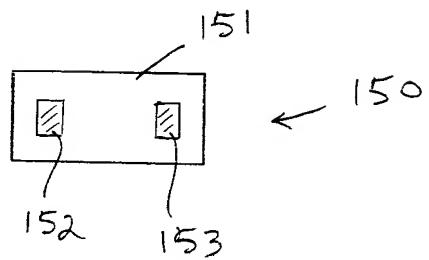


Fig. 7C

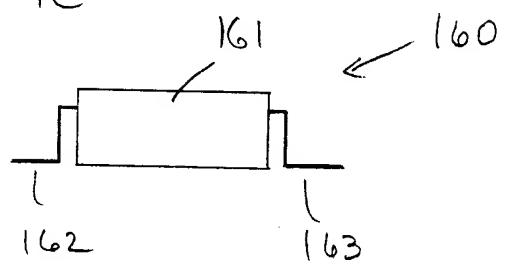
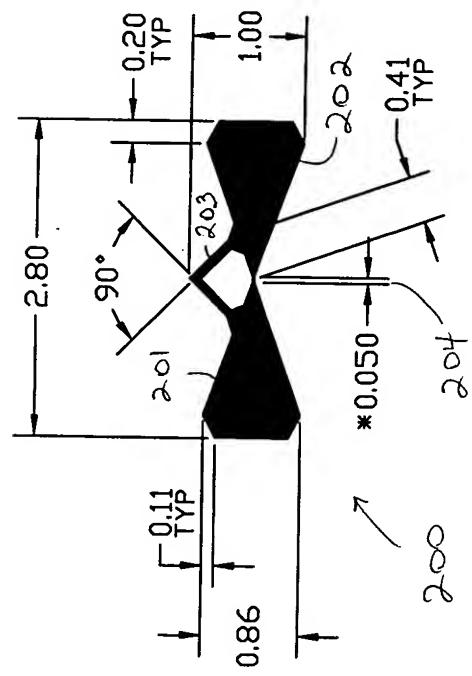


Fig. 8A



* 0.050 GAP FOR 0503 DIODE PACKAGE
* 0.075 GAP FOR SOD323 DIODE PACKAGE

Fig. 8B

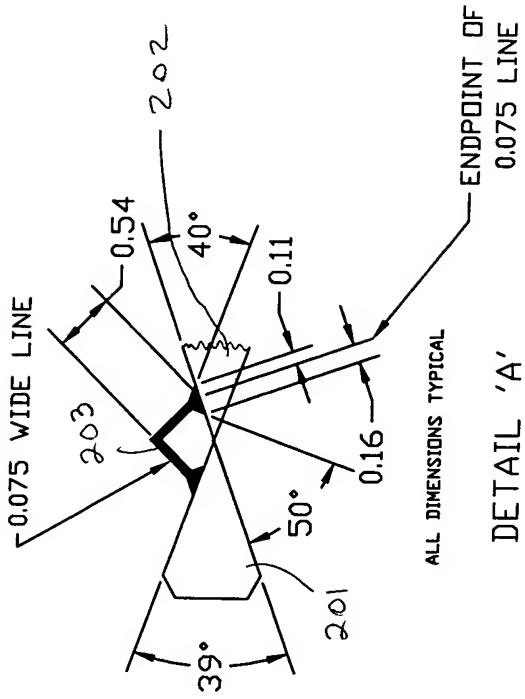


Fig. 8C

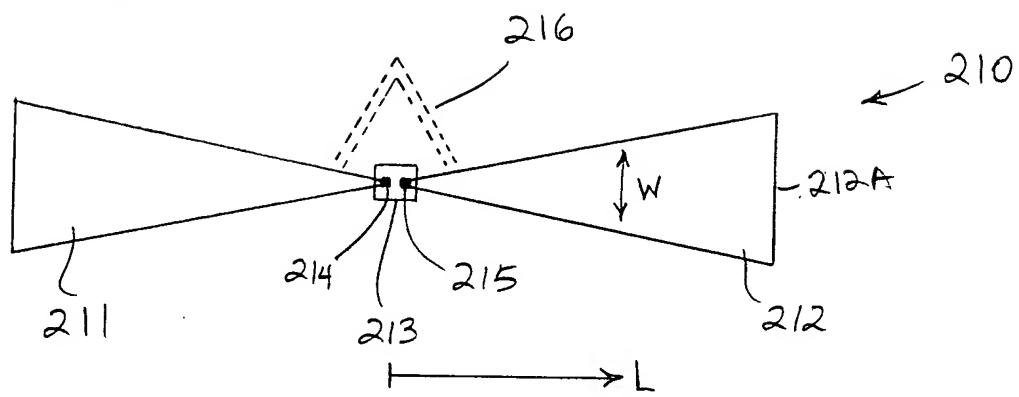
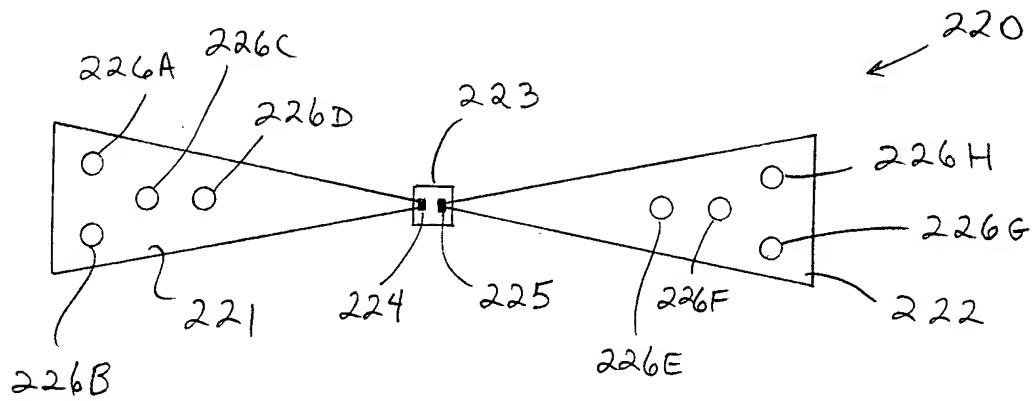


Fig. 8D



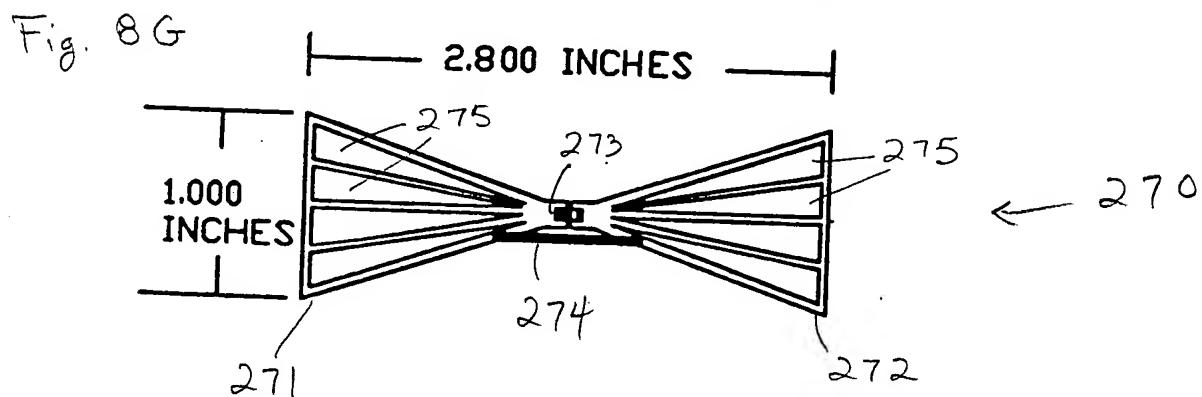
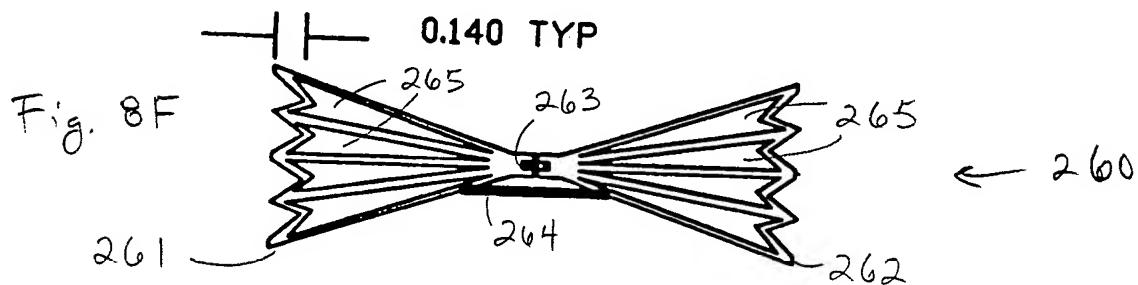
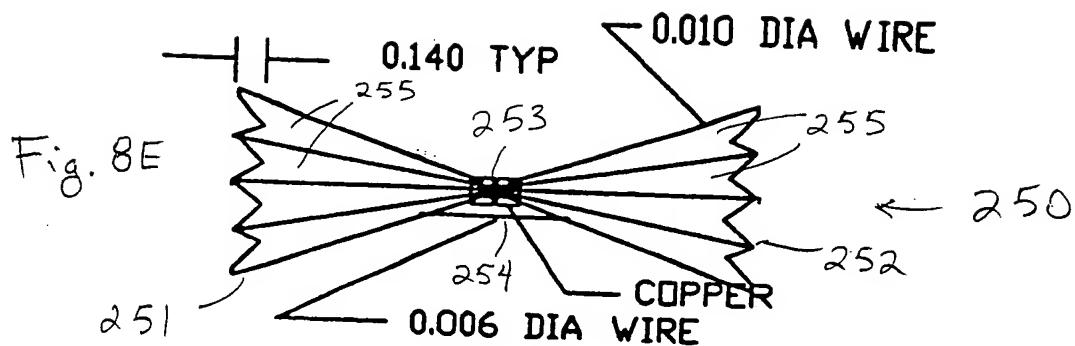


Fig. 9A

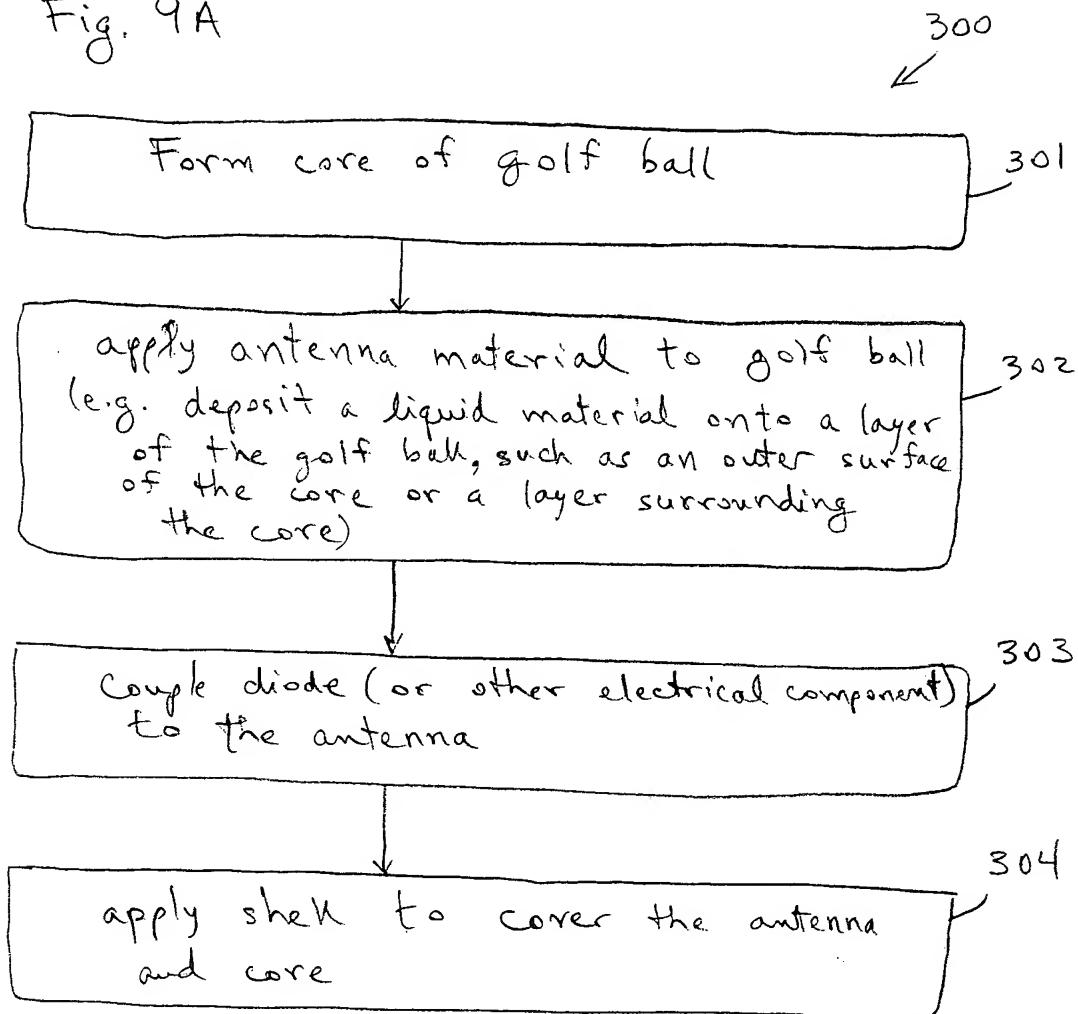


Fig. 9B

311

core of golf ball is molded with one or more surface cavities (voids) fitting the size and shape of one or more diodes (or other electronic components) and with a pattern of slight depression troughs outlining (as a template) the antenna pattern to be painted

312

Apply an adhesive into cavities and place diodes into the cavities

313

Paint (e.g. manually) the antenna pattern onto the core using conductive ink, with the ink extending to the electrical contact pads of the diodes

314

Heat cure the core and antenna(s)

315

Apply shell (and other layers if a 3 or more piece ball)

Fig. 9C

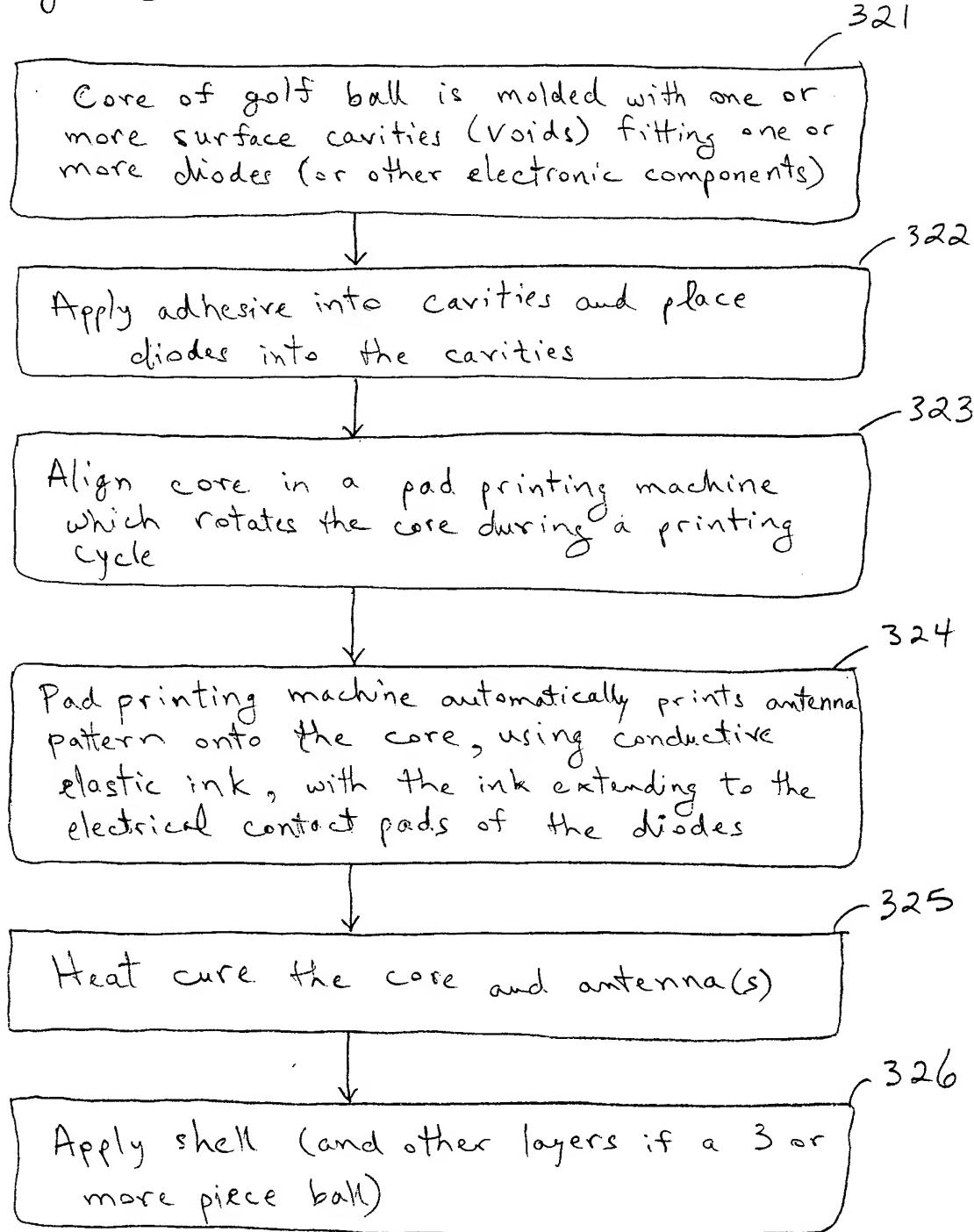


Fig. 9 D

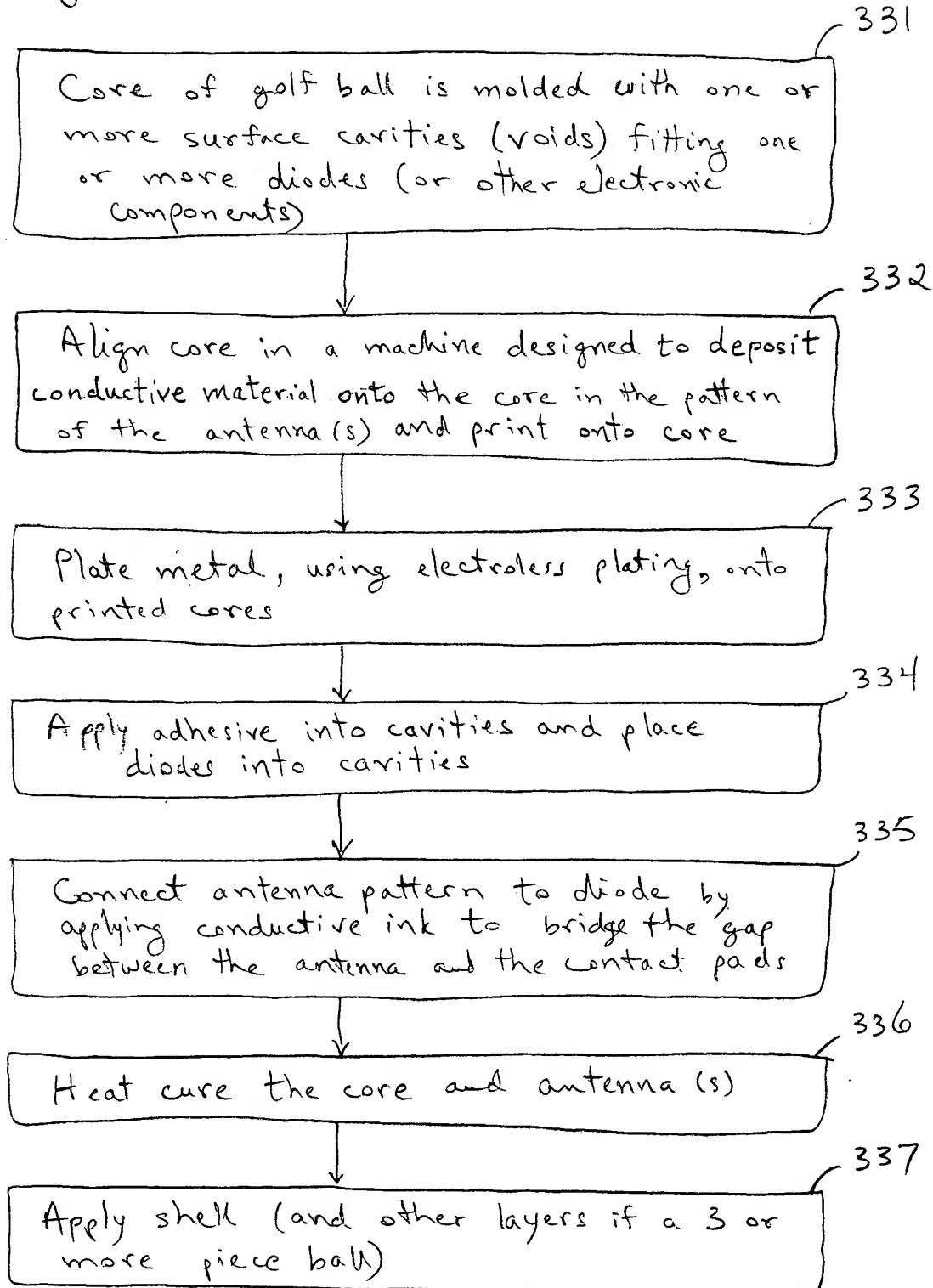


Fig. 9E

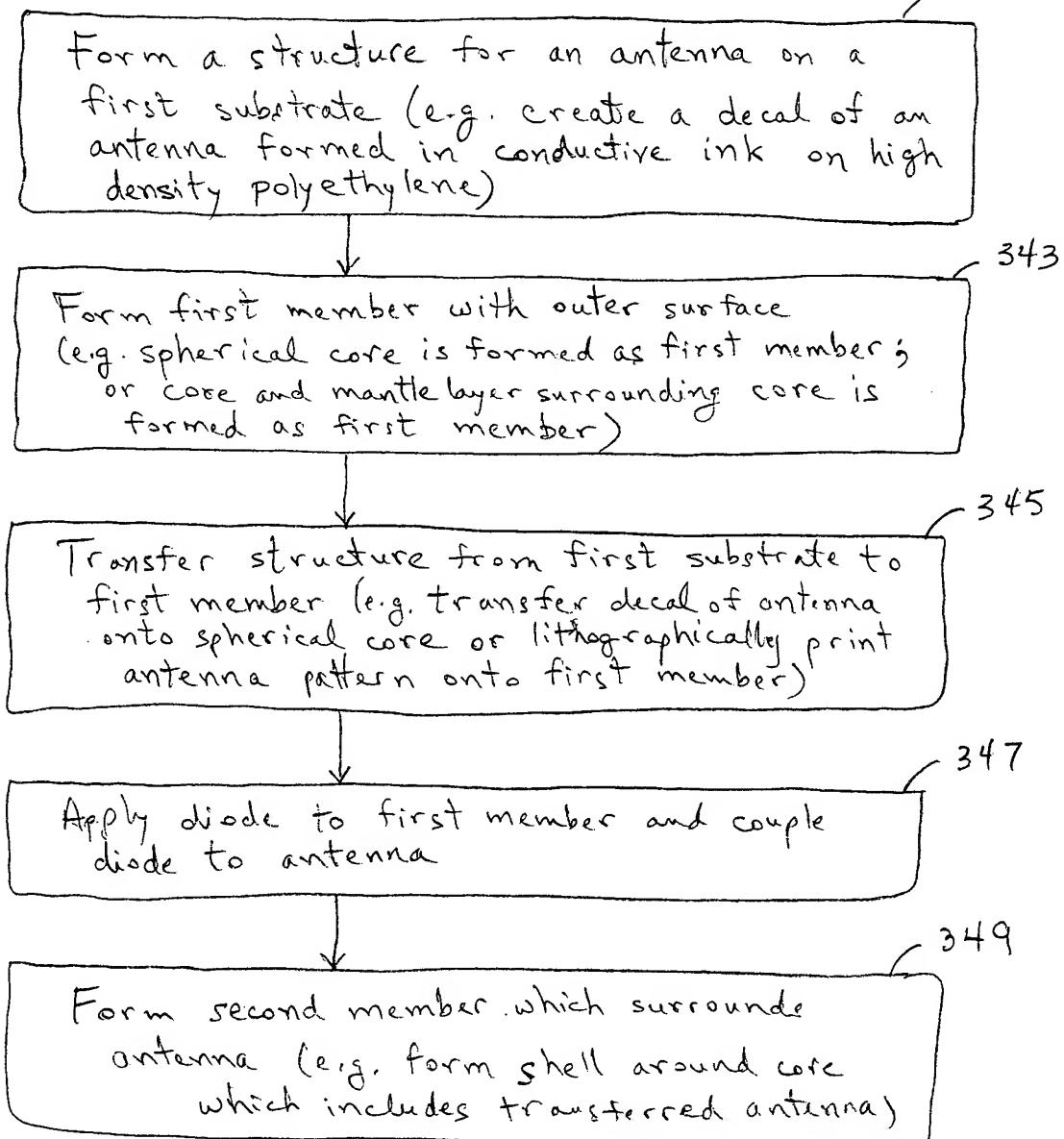


Fig. 10

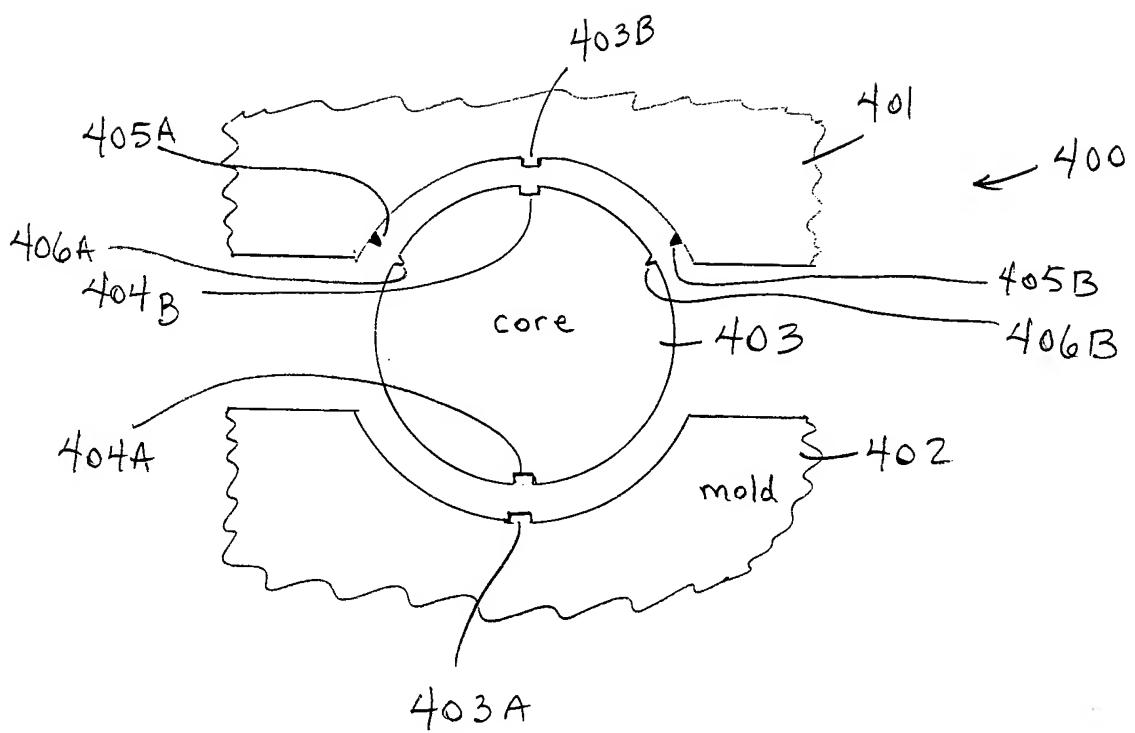


Fig. 11A

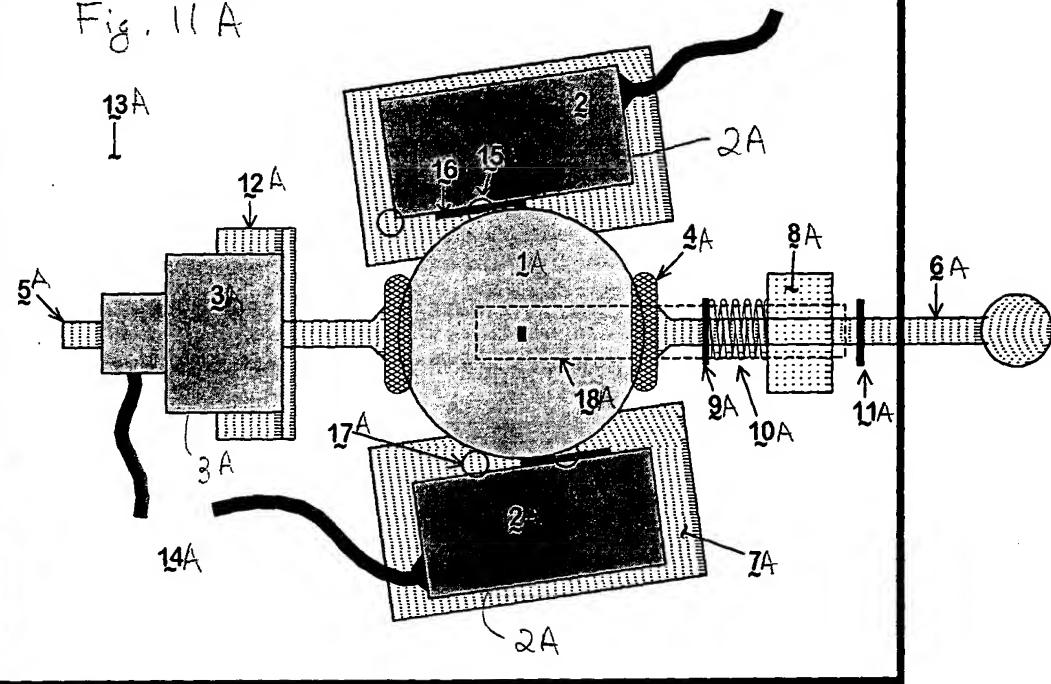


Fig. 11B

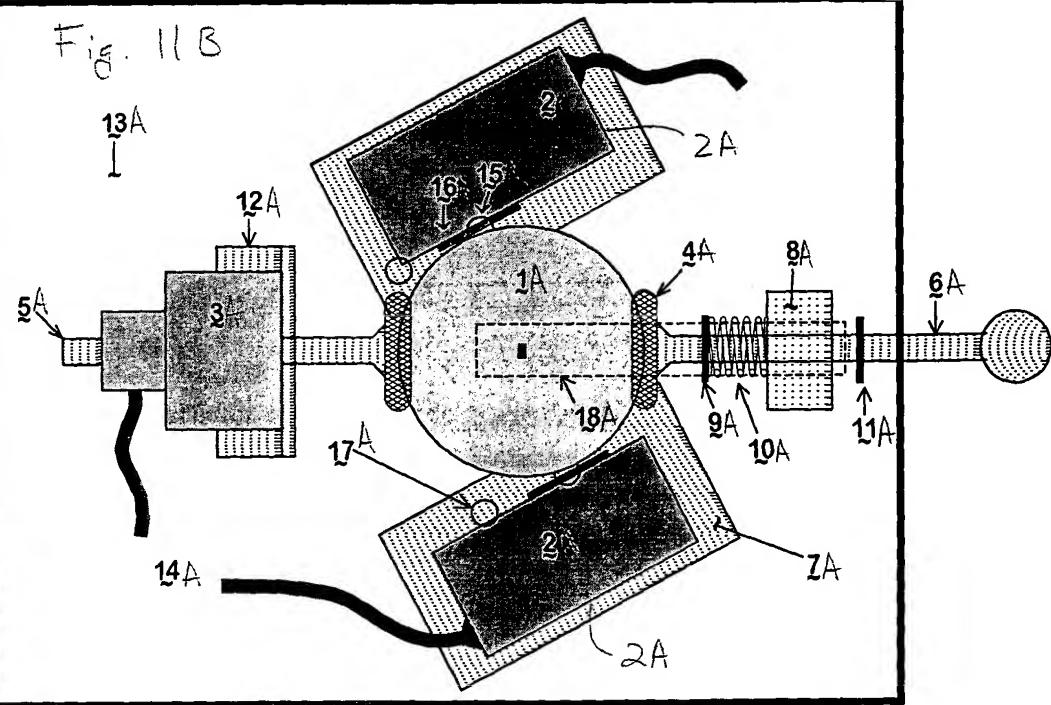


Fig. 11C

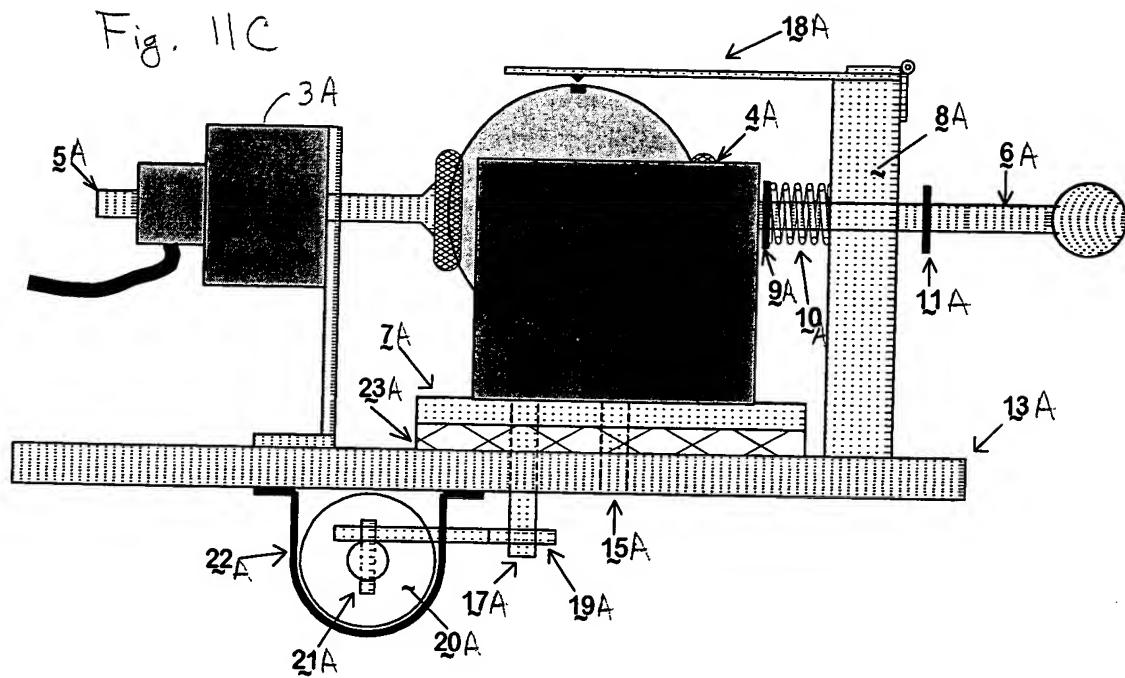


Fig. 11D

